



BACWA Annual Report

Fiscal Year 2022/2023

The clean water community is successfully addressing an array of interconnected environmental issues in our region. Within this evolving landscape, the Bay Area Clean Water Agencies (BACWA) is fulfilling its mission to provide an effective voice for clean water agencies' stewardship of the San Francisco Bay's ecological, community, and economic resources. The clean water community's focus has shifted rapidly from industrial pollutant reduction to renewable resource generation, climate change mitigation and adaptation, and understanding the potential impacts of nutrients and emerging contaminants on the aquatic ecosystem. Increasingly stringent and sometimes conflicting air quality and biosolids management regulations are producing cross-media challenges to our members' operations. BACWA provides technical expertise and a venue for collaboration to its membership, and a public utility perspective to negotiations and partnerships with regulators.

With over forty Publicly Owned Treatment Works (POTWs) and more than a hundred collection systems in the San Francisco Bay (SF Bay) region, BACWA provides a needed forum for effective coordination to ensure science-based regulations and continued water quality improvements throughout the Bay Area. Member dues and fees support BACWA's goal of ensuring that water, biosolids, and air quality regulations are well-supported by science. Even as the regulatory landscape shifts, BACWA continues to offer the services to our members and the public that have garnered the organization much respect and success.

[2022 Strategic Plan Update](#)

The BACWA Strategic Plan was substantially updated in 2020, representing the first major change since 2009. Minor changes were approved by the BACWA Executive Board in January 2022. The [2022 Strategic Plan](#) reflects both the current drivers impacting BACWA's members, such as nutrients and climate change, as well as our values which remain constant even as the issues evolve. The progress made by BACWA in Fiscal year 2022/2023 towards meeting the objectives in our Strategic Plan is described in Attachment A.

[Links to Key BACWA Products](#)

BACWA provides a variety of resources to its members for regulatory compliance, education, and information sharing. Links to key work products associated with these efforts are provided below:

Regulatory Compliance

- [Annual NPDES Compliance Letter](#) – submitted to the Regional Water Board on behalf of our members, demonstrating compliance with special studies required by NPDES

permits. We also report contributions to the Regional Monitoring Program to the Regional Water Board.

- [Nutrient Group Annual Report](#) - submitted to the Regional Water Board in compliance with the Nutrient Watershed Permit.
- Nutrient Watershed Permit Special Studies – The 2019 Nutrient Watershed Permit required completion of a Regional Evaluation of Potential Nutrient Discharge Reduction by Natural Systems (Provision VI.C.2) and a Regional Evaluation of Potential Nutrient Discharge Reduction by Water Recycling (Provision VI.C.3). BACWA completed these tasks on behalf of its member agencies, and the final reports were submitted to the Regional Water Board in late June 2023. The final reports are available on the BACWA website, as listed below.
 - Potential Nutrient Discharge Reduction by Natural Systems
 - [Phase 1 Opportunities and Constraints Analysis](#)
 - [Phase 2 Site Evaluations](#)
 - [Potential Nutrient Discharge Reduction by Water Recycling Final Report](#)
- [Land Application of Biosolids Annual Report](#) – submitted to the Solano County Board of Supervisors.
- Bay Area Pollution Prevention Group ([BAPPG](#)) [Annual Report](#) – Developed to assist member agencies in Pollution Prevention annual reporting.
- PFAS Regional Study, Phase 2 – To address monitoring needs of the State Water Board, BACWA contracted with SFEI to begin this regional study of PFAS in Fiscal Year 2020/21. [Phase 1](#) of the study was completed in 2021, and sampling for Phase 2 was completed in 2022. The Phase 2 study will conclude in late 2023 with the release of the Final Report.
- [BACWA Fact Sheet on Nutrients in the SF Bay](#) – BACWA staff worked with member agencies to communicate what is and is not known about the impact of nutrients and their linkage to the summer 2022 harmful algal bloom.

Information sharing

- [BACWA Bulletin](#) – Distributed monthly to keep members and the community up to date on BACWA’s and our partners’ activities.
- [Regulatory Issues Summary matrix](#) – Updated three times per year to give members an accessible overview of important issues impacting the clean water community.
- [BACWA website](#) - Maintained for information sharing with members.
- [Baywise website](#) – Maintained for public-facing pollution prevention messaging.
- [2021 Biosolids Trends Survey Report](#) – Updated every two to three years to help agencies understand their biosolids handling programs within a regional context.
- Information Sharing - Hosted events to share best practices on issues such as climate change adaptation planning, and incorporating Diversity/Equity/Inclusion/Justice into agency actions.
- Laboratory Accreditation - Offered monthly trainings for BACWA members on the 2016 TNI standards, which go into full effect in 2024.



- [Annual Meeting](#) – The Annual Meeting was held in-person in May 2023, and included updates from regulators, Nutrient Management Strategy scientists and consultants, representatives from San Francisco Estuary Institute assisting with the PFAS Regional Study, a panel on wet weather management, and more. Meeting materials and recordings were shared with members afterwards.

Regulatory Advocacy

BACWA works with its member agencies to develop positions on proposed regulations and advocates on behalf of the regional POTW community. In Fiscal Year 2022/23, BACWA submitted 13 [comment letters](#) to EPA, Regional Water Board, Bay Area Air Quality Management District (BAAQMD), and the California Department of Pesticide Regulation (DPR).

- **Nutrient Management.** BACWA continues to engage with the Regional Water Board to negotiate the key tenets of the 3rd Nutrient Watershed Permit, which is expected to be issued in May 2024. BACWA staff have also engaged through the Nutrient Management Strategy to direct science work in response to the 2022 harmful algal bloom in SF Bay.
- **Pesticides.** BAPPG maintains a consultant team dedicated to engagement with EPA and the DPR through the pesticide registration review process, including review of documents such as ecological risk assessments and risk management decisions. In Fiscal Year 2022/2023, the consultant team also provided input on DPR’s Sustainable Pest Management Roadmap.
- **Air Emissions.** BACWA continues to advocate for BAAQMD and the California Air Resources Board to consider the duty of essential public services when establishing air emissions requirements. BACWA and BAAQMD staff have continued to participate in a Workgroup that meets quarterly to discuss how public agencies can participate in the development, and comply with, emerging air toxics regulations. BACWA has advocated for an increase in staffing at BAAQMD to improve the air permitting process.
- **Sanitary Sewer Systems General Order.** The State Water Board reissued the Sanitary Sewer Systems Waste Discharge Requirements General Order in December 2022. BACWA worked with CASA and other clean water partner agencies to provide three free [webinars](#) explaining the General Order’s new requirements for enrollees
- **Chlorine Residual Blanket Permit Amendment.** BACWA engaged with the Regional Water Board to find workable solutions to remove the 0.0 mg/L instantaneous chlorine limit from NPDES permits.

BACWA Staffing

In FY2022/2023, BACWA retained contract staff to provide Executive Director, Assistance Executive Director, and Regulatory Program Management services.



BACWA Committees and Executive Board

Support for BACWA's committees is a key means for BACWA to ensure communication between our members and to formulate positions on emerging issues that accurately reflect the needs of our membership. Members receive educational contact credits for attending committee meetings in which there is an educational component. BACWA maintains the following active committees:

- Air Issues and Regulations (AIR)
- Asset Management
- Bay Area Pollution Prevention Group
- Collection Systems
- Laboratory
- Operations/Maintenance Infoshare
- Permits
- Pretreatment
- Recycled Water

BACWA's Biosolids committee is currently on pause, but meeting with the Bay Area Biosolids coalition on an ad hoc basis for the purposes of information sharing.

The BACWA Executive Board meets on a monthly basis to discuss policy, strategy, and operational issues impacting the organization. Executive Board meetings are held in compliance with the California Brown Act (Government Code sections 54950-54963).

External Representation and Collaboration

BACWA provides representation at external groups such as:

- Regional Monitoring Program (RMP) Technical Review Committee
- RMP Steering Committee
- Clean Water Summit Partners
- Aquatic Science Center (ASC)/SFEI Governing Board
- San Francisco Bay Nutrient Governance Steering Committee
- San Francisco Bay Nutrient Planning Subcommittee
- Bay Area Integrated Regional Water Management Plan (BAIRWMP)
- California Association of Sanitation Agencies (CASA) State Legislative Committee
- CASA Regulatory Workgroup
- Bay Area One Water Network
- RMP Microplastics Workgroup
- Bay Area Regional Reliability Task Force
- San Francisco Estuary Partnership
- California Product Stewardship Council
- Valley Water Countywide Reuse Master Plan



- Ocean Protection Council
- Bay Area Climate Adaptation Network
- Coastal Hazards Adaptation Resiliency Group (CHARG)
- Bay Area Climate Adaptation Network
- California Water Quality Monitoring Council

FY2022/2023 Financial Report

<u>BACWA FY23 BUDGET</u>	<u>Line Item Description</u>	<u>FY 2023 Budget</u>	<u>Actuals June 2023</u>	<u>Actual % of Budget June 2023</u>	<u>Variance</u>
<u>REVENUES & FUNDING</u>					
Dues	Principals' Contributions	\$527,250	\$527,250	100%	\$0
	Associate & Affiliate Contributions	\$187,793	\$186,845	99%	-\$948
Fees	Clean Bay Collaborative	\$675,000	\$674,250	100%	-\$750
	Nutrient Surcharge	\$1,400,000	\$1,399,980	100%	-\$20
	Member Voluntary Nutrient Contributions	\$0	\$0	0%	\$0
Other Receipts	AIR Non-Member	\$7,217	\$7,217	100%	\$0
	BAPPG Non-Members	\$4,033	\$4,032	100%	-\$1
	Other	\$0	\$18,489		\$18,489
Fund Transfer	Special Program Admin Fees (WOT)	\$5,202	\$1,000	19%	-\$4,202
	Special Program Admin Fees (BACC)	\$36,000	\$36,000	100%	\$0
	Special Program Admin Fees (WOT)	\$6,000	\$6,822	114%	\$822
Interest Income	LAIF	\$4,000	\$39,594	990%	\$35,594
	Higher Yield Investments	\$0	\$0	0%	\$0
	Total Revenue	\$2,852,495	\$2,901,479	101.72%	\$48,984
<u>BACWA FY23 BUDGET</u>	<u>Line Item Description</u>	<u>FY 2023 Budget</u>	<u>Actuals June 2023</u>	<u>Actual % of Budget June 2023</u>	<u>Variance</u>
<u>EXPENSES</u>					
Labor					



<u><i>BACWA FY23 BUDGET</i></u>	<u><i>Line Item Description</i></u>	<u><i>FY 2023 Budget</i></u>	<u><i>Actuals June 2023</i></u>	<u><i>Actual % of Budget June 2023</i></u>	<u><i>Variance</i></u>
	Executive Director	\$204,250	\$204,250	100%	\$0
	Assistant Executive Director	\$86,004	\$85,934	100%	-\$70
	Assistant Executive Director – BACC Administration	\$36,000	\$36,000	100%	\$0
	Regulatory Program Manager	\$142,223	\$138,386	97%	-\$3,837
	Total	\$468,477	\$464,569	99%	-\$3,908
Administration					
	EBMUD Financial Services	\$43,297	\$37,507	87%	-\$5,790
	Auditing Services	\$5,452	\$5,542	100%	-\$0
	Administrative Expenses	\$8,118	\$2,108	26%	-\$6,010
	Insurance	\$8,132	\$7,571	93%	-\$561
	Total	\$64,999	\$52,638	93%	-\$12,361
Meetings					
	EB Meetings	\$2,706	\$1,325	49%	-\$1,381
	Annual Meeting	\$14,369	\$10,561	73%	-\$3,808
	Pardee	\$6,668	\$3,432	51%	-\$3,236
	Misc. Meetings	\$5,412	\$7,440	137%	\$2,027
	Total	\$29,155	\$22,758	78%	-\$6,397
Communication					
	Website Hosting	\$714	\$189	27%	-\$525
	File Storage	\$780	\$720	92%	-\$60
	Website Development/Maintenance	\$1,561	\$1300	83%	-\$261
	IT Support	\$2,705	\$0	0%	-\$2,705
	Other Communication	\$1,821	\$1,372	75%	-\$449
	Total	\$7,581	\$3,581	47%	-\$4,00
Legal					



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	Regulatory Support	\$2,871	\$320	11%	-\$2,551
	Executive Board Support	\$2,309	\$0	0%	-\$2,309
	Total	\$5,181	\$320	6%	-\$4,861

Committees					
	AIR	\$96,000	\$95,020	99%	-\$980
	BAPPG	\$130,000	\$129,087	99%	-\$1,513
	Biosolids Committee	\$0	\$0	0%	\$0
	Collections System	\$1,000	\$0	0%	-\$1,000
	InfoShare Groups	\$1,000	\$492	49%	-\$508
	Laboratory Committee	\$6,400	\$4,436	69%	-\$1,964
	Permits Committee	\$1,000	\$80	8%	-\$920
	Pretreatment	\$1,000	\$12	1%	-\$988
	Recycled Water Committee	\$20,000	\$8,999	45%	-\$11,001
	Misc Committee Support	\$45,000	\$14,130	31%	-\$30,870
	Manager's Roundtable	\$1,000	\$0	0%	-\$1,000
	Total	\$303,000	\$252,256	83%	-\$50,744

Collaboratives					
	State of the Estuary (SFEP-biennial)	\$20,000	\$20,000	100%	\$0
	Arleen Navarret Award	\$2,500	\$2,500	100%	\$0
	BayCAN	\$5,000	\$1,500	30%	-\$3,500
	Bay Area One Water Network	\$5,000	\$5,000	100%	\$0
	Bruce Wolf Scholarship	\$4,000	\$4,000	100%	\$0
	Misc	\$1,500	\$2,500	167%	\$1,000
	Total	\$38,000	\$35,500	93%	-\$2,500

Other					
	Unbudgeted Items				
	Other	\$0	\$0		\$0
	Total	\$0	\$0		\$0

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Technical Support					
	Nutrients				
	Watershed	\$1,800,000	\$1,800,000	100%	\$0
	NMS Voluntary Contributions	\$0	\$0	0%	\$0
	Additional work under permit	\$100,000	\$83,040	83%	-\$16,960
	Regional Study on Nature based systems	\$248,811	\$78,768	32%	-\$170,043
	Regional Recycling Evaluation	\$63,525	\$6,500	10%	-\$57,025
	Nutrient Workshop(s)	\$0	\$0	0%	\$0
	NMS Reviewer	\$50,000	\$8,480	17%	-\$41,520
	General Tech Support	\$100,000	\$11,346	11%	-\$88,654
	CEC Investigation	\$140,000	\$137,380	98%	-\$2,620
	Risk Reduction	\$12,500	\$0	0%	-\$12,500
	Total	\$2,514,836	\$2,125,514	85%	-\$389,322
	TOTAL EXPENSES	\$3,431,228	\$2,957,135	86.18%	-\$474,092
	NET INCOME BEFORE TRANSFERS	-\$578,733	-\$55,657		
	TRANSFERS FROM RESERVES	\$578,733	\$55,567		
	NET INCOME AFTER TRANSFERS	\$0	\$0		



List of BACWA Members as of June 30, 2023

Principals

East Bay Municipal Utility District
East Bay Dischargers Authority
- Castro Valley Sanitary District
- City of Hayward
- City of San Leandro
- Oro Loma Sanitary District
- Union Sanitary District
San Francisco Public Utilities Commission
Central Contra Costa Sanitary District
City of San Jose

Associates

Central Marin Sanitation Agency
City of Palo Alto
City of San Mateo
City of Sunnyvale
Delta Diablo
Dublin-San Ramon Services District
Fairfield-Suisun Sewer District
Napa Sanitation District
Silicon Valley Clean Water
South San Francisco – San Bruno Water Quality Control Plant
Vallejo Flood & Wastewater District
West County Agency
- City of Richmond
- West County Wastewater District

Affiliates

City of Alameda	City of Milpitas
City of American Canyon	City of Mountain View
City of Albany	City of Oakland
City of Antioch	City of Pacifica
City of Belmont	City of Petaluma
City of Benicia	City of Piedmont
City of Berkeley	City of Pleasanton
City of Brisbane	City of Redwood City
City of Burlingame	City of Richmond
City of Calistoga	City of San Bruno
City of Fairfield	City of San Carlos
City of Livermore	City of St. Helena
City of Millbrae	Town of Yountville
	Crockett Community Services District



Cupertino Sanitary District
Las Gallinas Valley Sanitary District
Mt. View Sanitary District
North San Mateo Sanitation District
Novato Sanitary District
Pinole/Hercules Wastewater Treatment Plant
Rodeo Sanitary District
Ross Valley Sanitary District
San Francisco International Airport
San Mateo County, Dept. of Public Works

Sanitary District of Marin County No. 2
Sanitary District of Marin County No. 5
Sausalito-Marín City Sanitary District
Sewer Authority Mid-Coastside
Sewerage Agency of Southern Marin
Sonoma County Water Agency
Steger Sanitary District
Tamalpais Community Services District
West Bay Sanitary District
West Valley Sanitation District



ATTACHMENT A

BACWA JANUARY 2022 STRATEGIC PLAN 2023 EVALUATION